



## Technical Data Sheet EMULSIFIER FOR AMINO FLUIDS (SS EF- 233)

### APPLICATIONS

Emulsifier for Amino Silicone Oil  
(AMS Oil)

### FEATURES

- Non-Ionic in nature.
- Easy to handle.
- Easy to disperse in aqueous systems.

### LIMITATIONS

These products are neither tested nor represented as suitable for medical or pharmaceutical uses.

### PACKAGING

30 Kg HDPE Carboys.

### SHELF LIFE

9 months in the original sealed container

### DESCRIPTION

Supreme Silicones SS EF 233 is Non ionic Emulsifier for Amino Silicone Fluids (SS AMS). It is a mixture of Non Ionic emulsifiers developed to get stable Amino Micro Emulsion.

### TYPICAL PROPERTIES

Parameters	Values
Appearance	Clear Slight Yellow viscous liquid
Cloud Point deg. C.	12 - 14
Color	Yellowish
HLB Range	Approx. 12

### HOW TO USE

#### Composition for 100 Kg Batch.

SS EM 233 = 16 Kg  
 Water-I = 3 Kg  
 Acetic Acid = 0.3 Kg  
 AMS oil = 24 Kg  
 Water-II = 57 Kg

#### Emulsification Procedure

1. Charge 16 Kg of SS EF 233 in suitable mixture and add 3 Kg Water I.
2. Mix above material for 5 minutes to get homogeneous mass.
3. Add 0.3 Kg of Acetic Acid with mixing.
4. Add to it 24 Kg of AMS Oil into 3-4 equal lots with 10 min interval & mix for half hrs or more to get oil free pre mix paste.
5. Start water-II (57 Kg) addition slowly in a 1-2 lit per 5 minutes lot initially, till to get flowable mass. Then add 5 lit per minutes while mixing. Mixing can be put on off while water addition to avoid foaming.
6. Above composition will provide 40 % solids micro emulsion.
7. If required additional acetic acid is added to adjust pH around 4.5 to 5.5.

### USABLE LIFE AND STORAGE

When stored bellow 40°C in the original unopened containers, *Supreme Silicones* SS EF 233 Amino Emulsifier has a usable life of 9 months from the date of manufacturing. Emulsion manufactured by using SS EF 233 is unaffected by freeze/thaw cycles.

### HANDLING PRECAUTIONS

SS EF 233 is non toxic & non harmful. Standard safety equipments such as hand gloves and safety goggles should be used while handling the product.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.** Supreme Silicone's sole warranty is that the product will meet the Supreme Silicone's sales specifications in effect at the time of shipment. Supreme Silicones specifically disclaims any other express or implied warranty of fitness. Supreme Silicones disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.